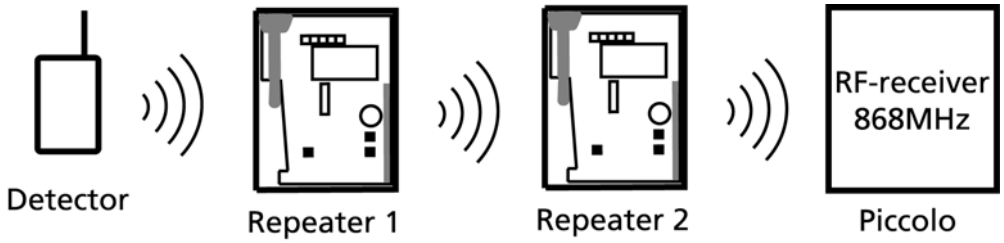
Repeater

Re-transmitting of 868 MHz RF-signal

User manual

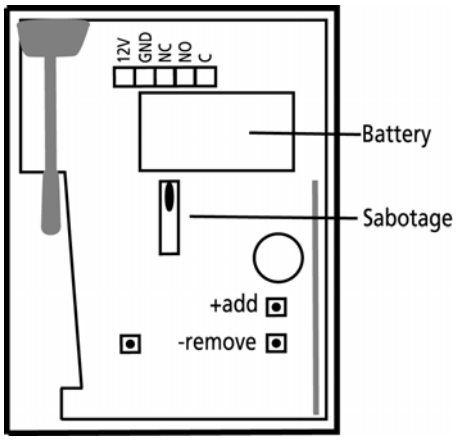
Functional overview

The Repeater re-transmit Profort RF-868MHz signal. The RF-signal from a detector will automatically be transmitted to the next Repeater or directly to the receiver from the Piccolo system. The Repeater itself reacts as a normal detector and therefore it is possible to activate the sabotage and use surveillance of the unit.



Setup of Repeater:

When the Repeater has default settings the Repeater re-transmit all Profort 868MHz RF-signals. If only one or some detectors must be re-transmitted or are more than one Repeater in use, then units must be added. The setup is done by means of two buttons on the unit.



1. By pressing the button "+add" the sounder gives constantly slow beeps. As long as the sounder is active detectors or other Repeaters can be activated one at the time (the Repeater is activated by pressing the sabotage). When a new unit is accepted the sounder gives rapidly beeps. When all units are activated, then press once more the button "+add". The sounder now stops beeping.

2. The same way detectors or other Repeaters can be remove from a Repeater. Press first the button "-remove". The sounder now gives beeps. As long as the sounder is active detectors or other Repeaters can be removed from the system one at the time. Activate the units and every time the Repeater accepts one, the sounder gives rapidly beeps. When all units are removes press the button "-remove" once more. The sounder now stops beeping.

3. By activating both buttons at the same time the Repeater is reset. Firstly press the "-remove" and then next the button "+add". When both buttons are released at the same time the Repeater is reset. The sounder now gives a long beep. All detectors and Repeaters are removed and all RF-signals will now be re-transmitted.

The Repeater also has a relay output. Every time the Repeater receives an alarm from a detector or a Repeater the relay is activated for 10 sec. This function can be used to activate sirens, lamps or connection to other alarm systems.

Installation of the Repeater:

The unit must be supplied with external 12VDC. It has an internal battery-backup and therefore gives an sabotage alarm when the external power is removed.

The Repeater must be installed as high as possible. Please note that the end of the antennas must not be hidden behind metal or reinforced concrete. This considerably limits the reach of the antennas.

Service and maintenance:

Every 6 month a check must be made whether or not the Repeater can be activated. This is done by activating the sabotage button inside the unit. Then it must be checked whether an alarm has been registered from the Repeater on the central unit. Next the external power supply is removed and then the unit once more gives an alarm.

Technical Specifications:

Dimensions:	150x 120 x 45 mm
Weight incl. internal battery:	250 g
Radius of wireless signal:	Up to 1000m by exterior measurement. Interior typically 200 m.
Power supply:	12VDC
Temperature:	÷10° - +55° Celsius.